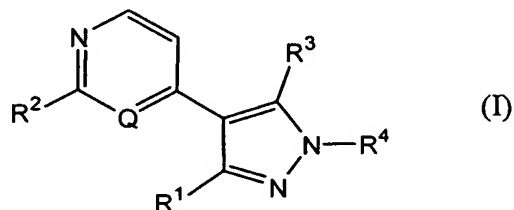
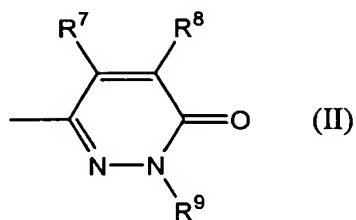


Claims

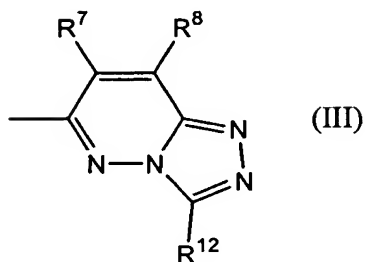
1. A pyrazole compound represented by the formula (I):



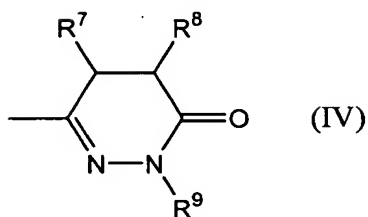
- 5 wherein R¹ represents a phenyl group which may be substituted by a group(s) selected from the group consisting of a halogen atom, a C₁-C₆ alkyl group, a halogeno C₁-C₆ alkyl group, a C₁-C₆ alkoxy group, a halogeno C₁-C₆ alkoxy group and a C₁-C₆ alkylthio group,
- 10 R² represents a hydrogen atom, a halogen atom, a C₁-C₆ alkyl group, a C₁-C₆ alkoxy group, a C₁-C₆ alkylthio group, a C₁-C₆ alkylsulfinyl group, a C₁-C₆ alkylsulfonyl group or a group: -NR⁵R⁶
- 15 wherein R⁵ and R⁶ may be the same or different from each other, and each represents a hydrogen atom, a C₁-C₆ alkyl group, a halogeno C₁-C₆ alkyl group, a C₃-C₇ cycloalkyl group, a C₁-C₆ alkyl-carbonyl group, a C₃-C₇ cycloalkyl-carbonyl group, a formyl group, a C₁-C₆ alkoxy-carbonyl group or a C₁-C₆ alkylsulfonyl group,
- 20 or a C₇-C₁₂ aralkyl group or a benzoyl group each of which may be substituted by a group(s) selected from the group consisting of a halogen atom, a C₁-C₆ alkyl group, a halogeno C₁-C₆ alkyl group, a C₁-C₆ alkoxy group and a halogeno C₁-C₆
- 25 alkoxy group,
- Q represents CH or a nitrogen atom, R³ represents a hydrogen atom, a C₁-C₆ alkyl group or an amino group, R⁴ represents the formula (II):



the formula (III):

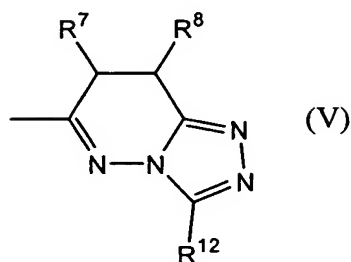


the formula (IV):



5

or the formula (V):



wherein R^7 represents a hydrogen atom or a C_1 - C_6 alkyl group, R^8 represents a hydrogen atom, a C_1 - C_6 alkyl group or a group: $-NR^{10}R^{11}$

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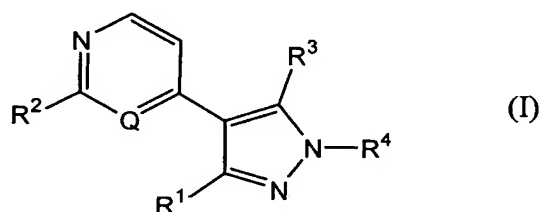
wherein R^{10} and R^{11} may be the same or different from each other, and each represents a hydrogen atom, a C_1 - C_6 alkyl group, a C_1 - C_6 alkyl-carbonyl group, a formyl group, a C_1 - C_6 alkoxy-carbonyl group or a C_1 - C_6 alkylsulfonyl group,

15

R^9 represents a hydrogen atom or a C_1 - C_6 alkyl group, R^{12} represents a hydrogen atom, a C_1 - C_6 alkyl group, a halogeno C_1 - C_6 alkyl group or a group: $-NR^{10}R^{11}$

wherein R^{10} and R^{11} may be the same or different from each other, and each represents a hydrogen atom, a C_1 - C_6 alkyl group, a C_1 - C_6 alkyl-carbonyl group, a formyl group, a C_1 - C_6 alkoxy-carbonyl group or a C_1 - C_6 alkylsulfonyl group, or a pharmaceutically acceptable salt thereof.

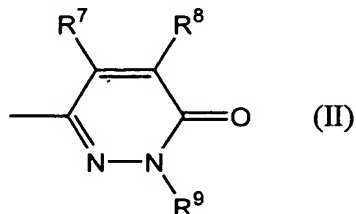
2. The pyrazole compound or a pharmaceutically acceptable salt thereof according to Claim 1, wherein the compound is represented by the formula (I):



wherein R^1 represents a phenyl group which may be substituted by a group(s) selected from the group consisting of a halogen atom, a C_1 - C_6 alkyl group, a halogeno C_1 - C_6 alkyl group, a C_1 - C_6 alkoxy group, a halogeno C_1 - C_6 alkoxy group and a C_1 - C_6 alkylthio group, R^2 represents a hydrogen atom, a halogen atom, a C_1 - C_6 alkyl group, a C_1 - C_6 alkoxy group, a C_1 - C_6 alkylthio group, a C_1 - C_6 alkylsulfinyl group, a C_1 - C_6 alkylsulfonyl group or a group: $-NR^5R^6$

wherein R^5 and R^6 may be the same or different from each other, and each represents a hydrogen atom, a C_1 - C_6 alkyl group, a halogeno C_1 - C_6 alkyl group, a C_3 - C_7 cycloalkyl group, a C_1 - C_6 alkyl-carbonyl group, a C_3 - C_7 cycloalkyl-carbonyl group, a formyl group, a C_1 - C_6 alkoxy-carbonyl group or a C_1 - C_6 alkylsulfonyl group, or a C_7 - C_{12} aralkyl group or a benzoyl group each of which may be substituted by a group(s) selected from the group consisting of a halogen atom, a C_1 - C_6 alkyl group, a halogeno C_1 - C_6 alkyl group, a C_1 - C_6 alkoxy group and a halogeno C_1 - C_6 alkoxy group,

Q represents CH or a nitrogen atom, R³ represents a hydrogen atom, a C₁-C₆ alkyl group or an amino group, R⁴ represents the formula (II):



5 wherein R⁷ represents a hydrogen atom or a C₁-C₆ alkyl group, R⁸ represents a hydrogen atom, a C₁-C₆ alkyl group or a group: -NR¹⁰R¹¹

10 wherein R¹⁰ and R¹¹ may be the same or different from each other, and each represents a hydrogen atom, a C₁-C₆ alkyl group, a C₁-C₆ alkyl-carbonyl group, a formyl group, a C₁-C₆ alkoxy-carbonyl group or a C₁-C₆ alkylsulfonyl group,

 R⁹ represents a hydrogen atom or a C₁-C₆ alkyl group.

15 3. The pyrazole compound or a pharmaceutically acceptable salt thereof according to Claim 2, wherein R¹ represents a phenyl group which may be substituted by 1 to 3 group(s) selected from the group consisting of a halogen atom, a C₁-C₄ alkyl group, a halogeno C₁-C₄ alkyl group, a C₁-C₄ alkoxy group, a halogeno C₁-C₄ alkoxy group and a C₁-C₄ alkylthio group,

20 R² represents a hydrogen atom, a halogen atom, a C₁-C₄ alkyl group, a C₁-C₄ alkoxy group, a C₁-C₄ alkylthio group, a C₁-C₄ alkylsulfinyl group, a C₁-C₄ alkylsulfonyl group or
25 a group: -NR⁵R⁶ (wherein R⁵ and R⁶ may be the same or different from each other, and each represents a hydrogen atom, a C₁-C₄ alkyl group, a halogeno C₁-C₄ alkyl group, a C₃-C₆ cycloalkyl group, a C₁-C₄ alkyl-carbonyl group, a C₃-C₆ cycloalkyl-carbonyl group, a formyl group, a C₁-C₄ alkoxy-carbonyl group or a C₁-C₄ alkylsulfonyl group, or a C₇-C₁₂
30 aralkyl group or a benzoyl group each of which may be substituted by a group(s) selected from the group

consisting of a halogen atom, a C₁-C₄ alkyl group, a halogeno C₁-C₄ alkyl group, a C₁-C₄ alkoxy group and a halogeno C₁-C₄ alkoxy group.),

5 R³ represents a hydrogen atom, a C₁-C₄ alkyl group or an amino group,

R⁴ represents the formula (II)

wherein R⁷ represents a hydrogen atom or a C₁-C₄ alkyl group, R⁸ represents a hydrogen atom, a C₁-C₄ alkyl group, an amino group, a C₁-C₄ alkylamino group, a di(C₁-C₄ alkyl)amino group, a C₁-C₄ alkyl-carbonylamino group, a formylamino group, a C₁-C₄ alkoxy-carbonylamino group or a C₁-C₄ alkylsulfonylamino group, R⁹ represents a hydrogen atom or a C₁-C₄ alkyl group.

15

4. The pyrazole compound or a pharmaceutically acceptable salt thereof according to Claim 3, wherein R¹ represents a phenyl group which may be substituted by 1 to 2 group(s) selected from the group consisting of a halogen atom, a C₁-C₄ alkyl group, a fluoro C₁-C₄ alkyl group, a C₁-C₄ alkoxy group, a fluoro C₁-C₄ alkoxy group and a C₁-C₄ alkylthio group,

20 R² represents a hydrogen atom, a halogen atom, a C₁-C₄ alkyl group, a C₁-C₄ alkoxy group, a C₁-C₄ alkylthio group, a C₁-C₄ alkylsulfinyl group, a C₁-C₄ alkylsulfonyl group, an amino group, a C₁-C₄ alkylamino group, a di(C₁-C₄ alkyl)-amino group, a fluoro C₁-C₄ alkylamino group, a C₃-C₆ cycloalkylamino group, a C₁-C₄ alkyl-carbonylamino group, a C₃-C₆ cycloalkyl-carbonylamino group, a N-(C₃-C₆ cycloalkyl-carbonyl)-N-(C₁-C₄ alkyl)amino group, a formylamino group, a C₁-C₄ alkoxy-carbonylamino group, a C₁-C₄ alkylsulfonylamino group, or a benzylamino group, a 1-phenethylamino group or a benzoylamino group the phenyl group portion thereof may be substituted by a group(s) selected from the group consisting of a halogen atom, a C₁-C₄ alkyl group, a fluoro C₁-C₄ alkyl group, a C₁-C₄ alkoxy group and a fluoro

35

C₁-C₄ alkoxy group,

R³ represents a hydrogen atom, a methyl group or an amino group,

R⁴ represents the above-mentioned formula (II)

5 wherein R⁷ represents a hydrogen atom, a methyl group or an ethyl group, R⁸ represents a hydrogen atom, a methyl group, an ethyl group, an amino group, a methylamino group, a dimethylamino group, an ethylamino group, a diethylamino group, an
10 isopropylamino group, an acetylamino group, a formylamino group, a methoxycarbonylamino group, an ethoxycarbonylamino group, a methylsulfonylamino group or an ethylsulfonylamino group, R⁹ represents a hydrogen atom, a methyl group or an ethyl group.

15

5. The pyrazole compound or a pharmaceutically acceptable salt thereof according to Claim 4, wherein R¹ represents a phenyl group which may be substituted by 1 to 2 group(s) selected from the group consisting of a fluorine atom, a
20 chlorine atom, a bromine atom, a methyl group, an ethyl group, an isopropyl group, a difluoromethyl group, a trifluoromethyl group, a 2-fluoroethyl group, a 2,2,2-trifluoroethyl group, a methoxy group, an ethoxy group, an isopropoxy group, a fluoromethoxy group, a difluoromethoxy
25 group, a trifluoromethoxy group and a methylthio group,

R² represents a hydrogen atom, a fluorine atom, a chlorine atom, a methyl group, a methoxy group, a methylthio group, a methylsulfinyl group, a methylsulfonyl group, an amino group, a methylamino group, a dimethylamino group,
30 an ethylamino group, a diethylamino group, a propylamino group, an isopropylamino group, a trifluoromethylamino group, a 2,2,2-trifluoroethylamino group, a cyclopropylamino group, a cyclohexylamino group, an acetylamino group, a propionylamino group, a cyclopropylcarbonylamino group, a
35 cyclopentylcarbonylamino group, a N-cyclopropylcarbonyl-N-methylamino group, a formylamino group, a methoxycarbonyl-

amino group, an ethoxycarbonylamino group, a t-butoxy-carbonylamino group, a methylsulfonylamino group, an ethylsulfonylamino group, or a benzylamino group, a 1-phenethylamino group or a benzoylamino group the phenyl
5 group portion thereof may be substituted by a group(s) selected from the group consisting of a fluorine atom, a methyl group, a trifluoromethyl group, a methoxy group and a difluoromethoxy group,

10 R^3 represents a hydrogen atom, a methyl group or an amino group,

R^4 represents the above-mentioned formula (II), wherein R^7 represents a hydrogen atom or a methyl group, R^8 represents a hydrogen atom, a methyl group, an amino group, a methylamino group, a
15 dimethylamino group, an acetylamino group, a formyl-amino group, a methoxycarbonylamino group or a methylsulfonylamino group, R^9 represents a hydrogen atom or a methyl group.

20 6. The pyrazole compound or a pharmaceutically acceptable salt thereof according to Claim 5, wherein R^1 represents a phenyl group which may be substituted by 1 to 2 group(s) selected from the group consisting of a fluorine atom, a chlorine atom, a methyl group, a difluoromethyl group, a
25 trifluoromethyl group, a methoxy group, a fluoromethoxy group, a difluoromethoxy group and a trifluoromethoxy group,

R^2 represents a hydrogen atom, a fluorine atom, a methyl group, a methoxy group, a methylthio group, a
30 methylsulfinyl group, a methylsulfonyl group, an amino group, a methylamino group, a dimethylamino group, an ethylamino group, an isopropylamino group, a 2,2,2-trifluoroethylamino group, a cyclopropylamino group, an acetylamino group, a cyclopropylcarbonylamino group, a
35 cyclopentylcarbonylamino group, a N-cyclopropylcarbonyl-N-methylamino group, a methoxycarbonylamino group, a methyl-

sulfonylamino group, a 4-methoxybenzylamino group, a 1-phenethylamino group or a benzoylamino group,

R^3 represents a hydrogen atom, a methyl group or an amino group,

5 R^4 represents a 1,6-dihydro-6-oxopyridazin-3-yl group, a 1,6-dihydro-4-methyl-6-oxopyridazin-3-yl group, a 1,6-dihydro-5-methyl-6-oxopyridazin-3-yl group, a 5-amino-1,6-dihydro-6-oxopyridazin-3-yl group, a 1,6-dihydro-5-methylamino-6-oxopyridazin-3-yl group, a 5-dimethylamino-1,6-dihydro-6-oxopyridazin-3-yl group, a 5-acetylamino-1,6-dihydro-6-oxopyridazin-3-yl group, a 1,6-dihydro-5-methoxycarbonylamino-6-oxopyridazin-3-yl group, a 1,6-dihydro-5-methylsulfonylamino-6-oxopyridazin-3-yl group, a 1,6-dihydro-1-methyl-6-oxopyridazin-3-yl group, a 1-ethyl-1,6-dihydro-6-oxopyridazin-3-yl group, a 1,6-dihydro-1,5-dimethyl-6-oxopyridazin-3-yl group or a 5-amino-1,6-dihydro-1-methyl-6-oxopyridazin-3-yl group.

7. The pyrazole compound or a pharmaceutically acceptable salt thereof according to Claim 6, wherein R^1 represents a phenyl group, a 2-fluorophenyl group, a 3-fluorophenyl group, a 4-fluorophenyl group, a 3-chlorophenyl group, a 4-chlorophenyl group, a 3,4-difluorophenyl group, a 2,4-difluorophenyl group, a 3,4-dichlorophenyl group, a 3-chloro-4-fluorophenyl group, a 4-chloro-3-fluorophenyl group or a 3-trifluoromethylphenyl group,

R^2 represents a hydrogen atom, a methoxy group, an amino group, a methylamino group, an ethylamino group, an isopropylamino group, a 2,2,2-trifluoroethylamino group, an acetylamino group, a cyclopropylcarbonylamino group, a cyclopentylcarbonylamino group, a methoxycarbonylamino group, a methylsulfonylamino group, a 4-methoxybenzylamino group, a 1-phenethylamino group or a benzoylamino group,

35 R^3 represents a hydrogen atom, a methyl group or an amino group,

R^4 represents a 1,6-dihydro-6-oxopyridazin-3-yl

group, a 1,6-dihydro-4-methyl-6-oxopyridazin-3-yl group, a 1,6-dihydro-5-methyl-6-oxopyridazin-3-yl group, a 5-amino-1,6-dihydro-6-oxopyridazin-3-yl group, a 5-acetylamino-1,6-dihydro-6-oxopyridazin-3-yl group, a 1,6-dihydro-5-methoxycarbonylamino-6-oxopyridazin-3-yl group, a 1,6-dihydro-5-methylsulfonylamino-6-oxopyridazin-3-yl group, a 1,6-dihydro-1-methyl-6-oxopyridazin-3-yl group or a 5-amino-1,6-dihydro-1-methyl-6-oxopyridazin-3-yl group.

- 10 8. The pyrazole compound or a pharmaceutically acceptable salt thereof according to Claim 7, wherein R¹ represents a phenyl group, a 2-fluorophenyl group, a 3-fluorophenyl group, a 4-fluorophenyl group, a 3-chlorophenyl group, a 4-chlorophenyl group, a 3,4-difluorophenyl group, a 2,4-difluorophenyl group, a 3,4-dichlorophenyl group, a 3-chloro-4-fluorophenyl group, a 4-chloro-3-fluorophenyl group or a 3-trifluoromethylphenyl group,

R² represents a hydrogen atom, a methoxy group, an amino group, a methylamino group, an ethylamino group, an isopropylamino group, a 2,2,2-trifluoroethylamino group, an acetylamino group, a cyclopropylcarbonylamino group, a cyclopentylcarbonylamino group, a methoxycarbonylamino group, a methylsulfonylamino group, a 4-methoxybenzylamino group, a 1-phenethylamino group or a benzoylamino group,

25 R³ represents a hydrogen atom,

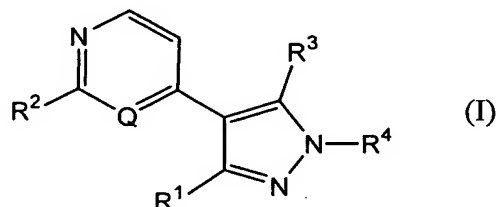
R⁴ represents a 1,6-dihydro-6-oxopyridazin-3-yl group, a 1,6-dihydro-4-methyl-6-oxopyridazin-3-yl group, a 1,6-dihydro-5-methyl-6-oxopyridazin-3-yl group, a 5-amino-1,6-dihydro-6-oxopyridazin-3-yl group or a 1,6-dihydro-1-methyl-6-oxopyridazin-3-yl group.

9. The pyrazole compound or a pharmaceutically acceptable salt thereof according to Claim 8, wherein the pyrazole compound is

35 4-(2-aminopyridin-4-yl)-1-(1,6-dihydro-6-oxopyridazin-3-yl)-3-phenyl-1H-pyrazole,

- 3-(4-fluorophenyl)-1-(1,6-dihydro-6-oxopyridazin-3-yl)-4-(pyridin-4-yl)-1H-pyrazole,
 1-(5-amino-1,6-dihydro-6-oxopyridazin-3-yl)-3-(4-fluorophenyl)-4-(pyridin-4-yl)-1H-pyrazole,
 5 4-(2-aminopyridin-4-yl)-3-(4-fluorophenyl)-1-(1,6-dihydro-6-oxopyridazin-3-yl)-1H-pyrazole,
 3-(4-fluorophenyl)-1-(1,6-dihydro-6-oxopyridazin-3-yl)-4-(2-methylaminopyridin-4-yl)-1H-pyrazole,
 4-(2-ethylaminopyridin-4-yl)-3-(4-fluorophenyl)-1-(1,6-dihydro-6-oxopyridazin-3-yl)-1H-pyrazole,
 10 3-(4-fluorophenyl)-1-(1,6-dihydro-6-oxopyridazin-3-yl)-4-[2-(2,2,2-trifluoroethyl)aminopyridin-4-yl]-1H-pyrazole,
 4-(2-acetylaminopyridin-4-yl)-3-(4-fluorophenyl)-1-(1,6-dihydro-6-oxopyridazin-3-yl)-1H-pyrazole,
 15 3-(4-fluorophenyl)-1-(1,6-dihydro-6-oxopyridazin-3-yl)-4-(2-methoxycarbonylaminopyridin-4-yl)-1H-pyrazole,
 4-(2-aminopyridin-4-yl)-3-(4-fluorophenyl)-1-(1,6-dihydro-4-methyl-6-oxopyridazin-3-yl)-1H-pyrazole,
 4-(2-aminopyridin-4-yl)-3-(4-fluorophenyl)-1-(1,6-dihydro-5-methyl-6-oxopyridazin-3-yl)-1H-pyrazole,
 20 1-(5-amino-1,6-dihydro-6-oxopyridazin-3-yl)-4-(2-aminopyridin-4-yl)-3-(4-fluorophenyl)-1H-pyrazole,
 4-(2-aminopyridin-4-yl)-3-(4-fluorophenyl)-1-(1,6-dihydro-1-methyl-6-oxopyridazin-3-yl)-1H-pyrazole,
 25 4-(2-aminopyrimidin-4-yl)-3-(4-fluorophenyl)-1-(1,6-dihydro-6-oxopyridazin-3-yl)-1H-pyrazole,
 4-(2-aminopyridin-4-yl)-3-(3-fluorophenyl)-1-(1,6-dihydro-6-oxopyridazin-3-yl)-1H-pyrazole,
 4-(2-aminopyridin-4-yl)-3-(4-chlorophenyl)-1-(1,6-dihydro-6-oxopyridazin-3-yl)-1H-pyrazole,
 30 4-(2-aminopyridin-4-yl)-3-(3-chlorophenyl)-1-(1,6-dihydro-6-oxopyridazin-3-yl)-1H-pyrazole,
 4-(2-aminopyridin-4-yl)-3-(3,4-difluorophenyl)-1-(1,6-dihydro-6-oxopyridazin-3-yl)-1H-pyrazole,
 35 4-(2-aminopyridin-4-yl)-3-(3,4-dichlorophenyl)-1-(1,6-dihydro-6-oxopyridazin-3-yl)-1H-pyrazole,

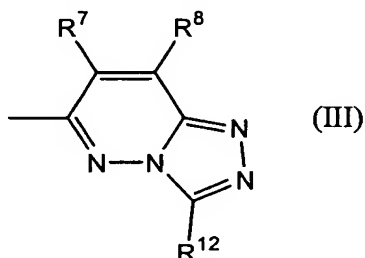
- 4-(2-aminopyridin-4-yl)-1-(1,6-dihydro-6-oxopyridazin-3-yl)-3-(3-trifluoromethylphenyl)-1H-pyrazole,
 4-(2-aminopyridin-4-yl)-3-(2-fluorophenyl)-1-(1,6-dihydro-6-oxopyridazin-3-yl)-1H-pyrazole,
 5 3-(2-fluorophenyl)-1-(1,6-dihydro-6-oxopyridazin-3-yl)-4-[2-(2,2,2-trifluoroethyl)aminopyridin-4-yl]-1H-pyrazole,
 4-(2-acetylaminopyridin-4-yl)-3-(2-fluorophenyl)-1-(1,6-dihydro-6-oxopyridazin-3-yl)-1H-pyrazole,
 4-(2-aminopyrimidin-4-yl)-3-(2-fluorophenyl)-1-(1,6-dihydro-6-oxopyridazin-3-yl)-1H-pyrazole,
 10 4-(2-aminopyridin-4-yl)-3-(2,4-difluorophenyl)-1-(1,6-dihydro-6-oxopyridazin-3-yl)-1H-pyrazole,
 4-(2-cyclopropylcarbonylaminopyridin-4-yl)-3-(4-fluorophenyl)-1-(1,6-dihydro-6-oxopyridazin-3-yl)-1H-pyrazole,
 15 4-(2-cyclopropylcarbonylaminopyridin-4-yl)-3-(2-fluorophenyl)-1-(1,6-dihydro-6-oxopyridazin-3-yl)-1H-pyrazole or
 3-(4-fluorophenyl)-1-(1,6-dihydro-6-oxopyridazin-3-yl)-4-[2-(4-methoxybenzylamino)pyrimidin-4-yl]-1H-pyrazole.
- 20 10. The pyrazole compound or a pharmaceutically acceptable salt thereof according to Claim 1, wherein the compound is represented by the formula (I):



- wherein R¹ represents a phenyl group which may be substituted by a group(s) selected from the group consisting of a halogen atom, a C₁-C₆ alkyl group, a halogeno C₁-C₆ alkyl group, a C₁-C₆ alkoxy group, a halogeno C₁-C₆ alkoxy group and a C₁-C₆ alkylthio group, R² represents a hydrogen atom, a halogen atom, a C₁-C₆ alkyl group, a C₁-C₆ alkoxy group, a C₁-C₆ alkylthio group, a C₁-C₆ alkylsulfinyl group, a C₁-C₆ alkylsulfonyl group or a group: -NR⁵R⁶

wherein R^5 and R^6 may be the same or different from each other, and each represents a hydrogen atom, a C_1 - C_6 alkyl group, a halogeno C_1 - C_6 alkyl group, a C_3 - C_7 cycloalkyl group, a C_1 - C_6 alkyl-carbonyl group, a C_3 - C_7 cycloalkyl-carbonyl group, a formyl group, a C_1 - C_6 alkoxy-carbonyl group or a C_1 - C_6 alkylsulfonyl group, or a C_7 - C_{12} aralkyl group or a benzoyl group each of which may be substituted by a group(s) selected from the group consisting of a halogen atom, a C_1 - C_6 alkyl group, a halogeno C_1 - C_6 alkyl group, a C_1 - C_6 alkoxy group and a halogeno C_1 - C_6 alkoxy group,

Q represents CH or a nitrogen atom, R^3 represents a hydrogen atom, a C_1 - C_6 alkyl group or an amino group, R^4 represents the formula (III):



wherein R^7 represents a hydrogen atom or a C_1 - C_6 alkyl group, R^8 represents a hydrogen atom, a C_1 - C_6 alkyl group or a group: $-NR^{10}R^{11}$

wherein R^{10} and R^{11} may be the same or different from each other, and each represents a hydrogen atom, a C_1 - C_6 alkyl group, a C_1 - C_6 alkyl-carbonyl group, a formyl group, a C_1 - C_6 alkoxy-carbonyl group or a C_1 - C_6 alkylsulfonyl group,

R^{12} represents a hydrogen atom, a C_1 - C_6 alkyl group, a halogeno C_1 - C_6 alkyl group or a group: $-NR^{10}R^{11}$

wherein R^{10} and R^{11} may be the same or different from each other, and each represents a hydrogen atom, a C_1 - C_6 alkyl group, a C_1 - C_6 alkyl-carbonyl group, a formyl group, a C_1 - C_6 alkoxy-carbonyl group or a C_1 - C_6 alkylsulfonyl group.

11. The pyrazole compound or a pharmaceutically acceptable salt thereof according to Claim 10, wherein R^1 represents a phenyl group which may be substituted by 1 to 3 group(s)

5 selected from the group consisting of a halogen atom, a C_1 - C_4 alkyl group, a halogeno C_1 - C_4 alkyl group, a C_1 - C_4 alkoxy group, a halogeno C_1 - C_4 alkoxy group and a C_1 - C_4 alkylthio group,

R^2 represents a hydrogen atom, a halogen atom, a C_1 - C_4 alkyl group, a C_1 - C_4 alkoxy group, a C_1 - C_4 alkylthio group, 10 a C_1 - C_4 alkylsulfinyl group, a C_1 - C_4 alkylsulfonyl group or a group: $-NR^5R^6$ (wherein R^5 and R^6 may be the same or different from each other, and each represents a hydrogen atom, a C_1 - C_4 alkyl group, a halogeno C_1 - C_4 alkyl group, a 15 C_3 - C_6 cycloalkyl group, a C_1 - C_4 alkyl-carbonyl group, a C_3 - C_6 cycloalkyl-carbonyl group, a formyl group, a C_1 - C_4 alkoxy-carbonyl group or a C_1 - C_4 alkylsulfonyl group, or a C_7 - C_{12} aralkyl group or a benzoyl group each of which may be substituted by a group(s) selected from the group consisting of a halogen atom, a C_1 - C_4 alkyl group, a halogeno C_1 - C_4 20 alkyl group, a C_1 - C_4 alkoxy group and a halogeno C_1 - C_4 alkoxy group.),

R^3 represents a hydrogen atom, a C_1 - C_4 alkyl group or an amino group,

25 R^4 represents the formula (III)

wherein R^7 represents a hydrogen atom or a C_1 - C_4 alkyl group, R^8 represents a hydrogen atom, a C_1 - C_4 alkyl group, an amino group, a C_1 - C_4 alkylamino group, a di(C_1 - C_4 alkyl)amino group, a C_1 - C_4 alkyl-carbonylamino group, a formylamino group, a C_1 - C_4 30 alkoxy-carbonylamino group or a C_1 - C_4 alkylsulfonylamino group, R^{12} represents a hydrogen atom, a C_1 - C_4 alkyl group, a fluoro C_1 - C_4 alkyl group, an amino group, a C_1 - C_4 alkylamino group, a di(C_1 - C_4 alkyl)-amino group, a C_1 - C_4 alkyl-carbonylamino group, a 35 formylamino group, a C_1 - C_4 alkoxy-carbonylamino group

or a C₁-C₄ alkylsulfonylamino group.

12. The pyrazole compound or a pharmaceutically acceptable salt thereof according to Claim 11, wherein R¹ represents a phenyl group which may be substituted by 1 to 2 group(s) selected from the group consisting of a halogen atom, a C₁-C₄ alkyl group, a fluoro C₁-C₄ alkyl group, a C₁-C₄ alkoxy group, a fluoro C₁-C₄ alkoxy group and a C₁-C₄ alkylthio group,

R² represents a hydrogen atom, a halogen atom, a C₁-C₄ alkyl group, a C₁-C₄ alkoxy group, a C₁-C₄ alkylthio group, a C₁-C₄ alkylsulfinyl group, a C₁-C₄ alkylsulfonyl group, an amino group, a C₁-C₄ alkylamino group, a di(C₁-C₄ alkyl)-amino group, a fluoro C₁-C₄ alkylamino group, a C₃-C₆ cycloalkylamino group, a C₁-C₄ alkyl-carbonylamino group, a C₃-C₆ cycloalkyl-carbonylamino group, a N-(C₃-C₆ cycloalkyl-carbonyl)-N-(C₁-C₄ alkyl)amino group, a formylamino group, a C₁-C₄ alkoxy-carbonylamino group, a C₁-C₄ alkylsulfonylamino group, or a benzylamino group, a 1-phenethylamino group or a benzoylamino group the phenyl group portion thereof may be substituted by a group(s) selected from the group consisting of a halogen atom, a C₁-C₄ alkyl group, a fluoro C₁-C₄ alkyl group, a C₁-C₄ alkoxy group and a fluoro C₁-C₄ alkoxy group,

R³ represents a hydrogen atom, a methyl group or an amino group,

R⁴ represents the formula (III)

wherein R⁷ represents a hydrogen atom, a methyl group or an ethyl group, R⁸ represents a hydrogen atom, a methyl group, an ethyl group, an amino group, a methylamino group, a dimethylamino group, an ethylamino group, a diethylamino group, an isopropylamino group, an acetylamino group, a formylamino group, a methoxycarbonylamino group, an ethoxycarbonylamino group, a methylsulfonylamino group or an ethylsulfonylamino group, R¹² represents

a hydrogen atom, a methyl group, an ethyl group, a trifluoromethyl group, a 2,2,2-trifluoroethyl group, an amino group, a methylamino group, a dimethylamino group, an ethylamino group, a diethylamino group, an isopropylamino group, an acetylamino group, a formylamino group, a methoxycarbonylamino group, an ethoxycarbonylamino group, a methylsulfonylamino group or an ethylsulfonylamino group.

- 10 13. The pyrazole compound or a pharmaceutically acceptable salt thereof according to Claim 12, wherein R¹ represents a phenyl group which may be substituted by 1 to 2 group(s) selected from the group consisting of a fluorine atom, a chlorine atom, a bromine atom, a methyl group, an ethyl group, an isopropyl group, a difluoromethyl group, a trifluoromethyl group, a 2-fluoroethyl group, a 2,2,2-trifluoroethyl group, a methoxy group, an ethoxy group, an isopropoxy group, a fluoromethoxy group, a difluoromethoxy group, a trifluoromethoxy group and a methylthio group,
- 20 R² represents a hydrogen atom, a fluorine atom, a chlorine atom, a methyl group, a methoxy group, a methylthio group, a methylsulfinyl group, a methylsulfonyl group, an amino group, a methylamino group, a dimethylamino group, an ethylamino group, a diethylamino group, a propylamino group, an isopropylamino group, a trifluoromethylamino group, a 2,2,2-trifluoroethylamino group, a cyclopropylamino group, a cyclohexylamino group, an acetylamino group, a propionylamino group, a cyclopropylcarbonylamino group, a cyclopentylcarbonylamino group, a N-cyclopropylcarbonyl-N-methylamino group, a formylamino group, a methoxycarbonylamino group, an ethoxycarbonylamino group, a t-butoxycarbonylamino group, a methylsulfonylamino group, an ethylsulfonylamino group, or a benzylamino group, a 1-phenethylamino group or a benzoylamino group the phenyl group portion thereof may be substituted by a group(s) selected from the group consisting of a fluorine atom, a
- 30
- 35

methyl group, a trifluoromethyl group, a methoxy group and a difluoromethoxy group,

R^3 represents a hydrogen atom, a methyl group or an amino group,

5 R^4 represents the formula (III)

wherein R^7 represents a hydrogen atom or a methyl group, R^8 represents a hydrogen atom, a methyl group, an amino group, a methylamino group, a dimethylamino group, an acetylamino group, a formyl-
10 amino group, a methoxycarbonylamino group or a methylsulfonylamino group, R^{12} represents a hydrogen atom, a methyl group, a trifluoromethyl group, an amino group, a methylamino group, a dimethylamino group, an acetylamino group, a formylamino group, a
15 methoxycarbonylamino group or a methylsulfonylamino group.

14. The pyrazole compound or a pharmaceutically acceptable salt thereof according to Claim 13, wherein R^1 represents a
20 phenyl group which may be substituted by 1 to 2 group(s) selected from the group consisting of a fluorine atom, a chlorine atom, a methyl group, a difluoromethyl group, a trifluoromethyl group, a methoxy group, a fluoromethoxy group, a difluoromethoxy group and a trifluoromethoxy
25 group,

R^2 represents a hydrogen atom, a fluorine atom, a methyl group, a methoxy group, a methylthio group, a methylsulfinyl group, a methylsulfonyl group, an amino group, a methylamino group, a dimethylamino group, an
30 ethylamino group, an isopropylamino group, a 2,2,2-trifluoroethylamino group, a cyclopropylamino group, an acetylamino group, a cyclopropylcarbonylamino group, a cyclopentylcarbonylamino group, a N-cyclopropylcarbonyl-N-methylamino group, a methoxycarbonylamino group, a methyl-
35 sulfonylamino group, a 4-methoxybenzylamino group, a 1-phenethylamino group or a benzoylamino group,

R³ represents a hydrogen atom, a methyl group or an amino group,

R⁴ represents a [1,2,4]triazolo[4,3-b]pyridazin-6-yl group, a 3-methyl-[1,2,4]triazolo[4,3-b]pyridazin-6-yl group, a 3-trifluoromethyl-[1,2,4]triazolo[4,3-b]pyridazin-6-yl group, a 3-(2,2,2-trifluoroethyl-[1,2,4]triazolo[4,3-b]pyridazin-6-yl group, a 3-amino-[1,2,4]triazolo[4,3-b]pyridazin-6-yl group, a 3-methylamino-[1,2,4]triazolo[4,3-b]pyridazin-6-yl group, a 3-dimethylamino-[1,2,4]triazolo[4,3-b]pyridazin-6-yl group, a 3-acetylamino-[1,2,4]triazolo[4,3-b]pyridazin-6-yl group, a 3-methoxycarbonylamino-[1,2,4]triazolo[4,3-b]pyridazin-6-yl group, a 3-methylsulfonylamino-[1,2,4]triazolo[4,3-b]pyridazin-6-yl group, a 7-methyl-[1,2,4]triazolo[4,3-b]pyridazin-6-yl group, a 8-methyl-[1,2,4]triazolo[4,3-b]pyridazin-6-yl group, a 8-amino-[1,2,4]triazolo[4,3-b]pyridazin-6-yl group, a 8-methylamino-[1,2,4]triazolo[4,3-b]pyridazin-6-yl group, a 8-dimethylamino-[1,2,4]triazolo[4,3-b]pyridazin-6-yl group, a 8-acetylamino-[1,2,4]triazolo[4,3-b]pyridazin-6-yl group, a 8-methoxycarbonylamino-[1,2,4]triazolo[4,3-b]pyridazin-6-yl group, a 8-methylsulfonylamino-[1,2,4]triazolo[4,3-b]pyridazin-6-yl group, a 3,8-dimethyl-[1,2,4]triazolo[4,3-b]pyridazin-6-yl group, a 7,8-dimethyl-[1,2,4]triazolo[4,3-b]pyridazin-6-yl group, a 3-amino-8-methyl-[1,2,4]triazolo[4,3-b]pyridazin-6-yl group or a 8-amino-3-methyl-[1,2,4]triazolo[4,3-b]pyridazin-6-yl group.

15. The pyrazole compound or a pharmaceutically acceptable salt thereof according to Claim 14, wherein R¹ represents a phenyl group, a 2-fluorophenyl group, a 3-fluorophenyl group, a 4-fluorophenyl group, a 3-chlorophenyl group, a 4-chlorophenyl group, a 3,4-difluorophenyl group, a 2,4-difluorophenyl group, a 3,4-dichlorophenyl group, a 3-chloro-4-fluorophenyl group, a 4-chloro-3-fluorophenyl group or a 3-trifluoromethylphenyl group,

R² represents a hydrogen atom, a methoxy group, an

amino group, a methylamino group, an ethylamino group, an isopropylamino group, a 2,2,2-trifluoroethylamino group, an acetylamino group, a cyclopropylcarbonylamino group, a cyclopentylcarbonylamino group, a methoxycarbonylamino
 5 group, a methylsulfonylamino group, a 4-methoxybenzylamino group, a 1-phenethylamino group or a benzoylamino group,

R^3 represents a hydrogen atom, a methyl group or an amino group,

R^4 represents a [1,2,4]triazolo[4,3-b]pyridazin-6-yl
 10 group, a 3-methyl-[1,2,4]triazolo[4,3-b]pyridazin-6-yl group, a 3-trifluoromethyl-[1,2,4]triazolo[4,3-b]pyridazin-6-yl group, a 3-amino-[1,2,4]triazolo[4,3-b]pyridazin-6-yl group, a 3-methylamino-[1,2,4]triazolo[4,3-b]pyridazin-6-yl group, a 3-acetylamino-[1,2,4]triazolo[4,3-b]pyridazin-6-yl
 15 group, a 3-methoxycarbonylamino-[1,2,4]triazolo[4,3-b]-pyridazin-6-yl group, a 3-methylsulfonylamino-[1,2,4]triazolo[4,3-b]pyridazin-6-yl group, a 7-methyl-[1,2,4]triazolo[4,3-b]pyridazin-6-yl group, a 8-methyl-[1,2,4]triazolo[4,3-b]pyridazin-6-yl group or a 8-amino-[1,2,4]tri-
 20 azolo[4,3-b]pyridazin-6-yl group.

16. The pyrazole compound or a pharmaceutically acceptable salt thereof according to Claim 15, wherein R^1 represents a phenyl group, a 2-fluorophenyl group, a 3-fluorophenyl
 25 group, a 4-fluorophenyl group, a 3-chlorophenyl group, a 4-chlorophenyl group, a 3,4-difluorophenyl group, a 2,4-difluorophenyl group, a 3,4-dichlorophenyl group, a 3-chloro-4-fluorophenyl group, a 4-chloro-3-fluorophenyl group or a 3-trifluoromethylphenyl group,

R^2 represents a hydrogen atom, a methoxy group, an amino group, a methylamino group, an ethylamino group, an isopropylamino group, a 2,2,2-trifluoroethylamino group, an acetylamino group, a cyclopropylcarbonylamino group, a cyclopentylcarbonylamino group, a methoxycarbonylamino
 35 group, a methylsulfonylamino group, a 4-methoxybenzylamino group, a 1-phenethylamino group or a benzoylamino group,

R³ represents a hydrogen atom,

R⁴ represents a [1,2,4]triazolo[4,3-b]pyridazin-6-yl group, a 3-methyl-[1,2,4]triazolo[4,3-b]pyridazin-6-yl group, a 3-trifluoromethyl-[1,2,4]triazolo[4,3-b]pyridazin-6-yl group, a 3-amino-[1,2,4]triazolo[4,3-b]pyridazin-6-yl group or a 3-acetylamino-[1,2,4]triazolo[4,3-b]pyridazin-6-yl group.

17. The pyrazole compound or a pharmaceutically acceptable salt thereof according to Claim 16, wherein the pyrazole compound is

4-(2-aminopyridin-4-yl)-3-phenyl-1-([1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

3-(4-fluorophenyl)-4-(pyridin-4-yl)-1-([1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

3-(4-fluorophenyl)-4-(2-methoxypyridin-4-yl)-1-([1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

4-(2-aminopyridin-4-yl)-3-(4-fluorophenyl)-1-([1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

3-(4-fluorophenyl)-4-(2-methylaminopyridin-4-yl)-1-([1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

4-(2-ethylaminopyridin-4-yl)-3-(4-fluorophenyl)-1-([1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

3-(4-fluorophenyl)-4-(2-isopropylaminopyridin-4-yl)-1-([1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

3-(4-fluorophenyl)-1-([1,2,4]triazolo[4,3-b]pyridazin-6-yl)-4-[2-(2,2,2-trifluoroethyl)aminopyridin-4-yl]-1H-pyrazole,

4-(2-acetylaminoaminopyridin-4-yl)-3-(4-fluorophenyl)-1-([1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

3-(4-fluorophenyl)-4-(2-methoxycarbonylaminopyridin-4-yl)-1-([1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

3-(4-fluorophenyl)-4-(2-methylsulfonylaminopyridin-4-yl)-1-([1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

3-(4-fluorophenyl)-4-[2-(1-phenethylamino)pyridin-4-yl]-1-([1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

- 4-(2-benzoylaminopyridin-4-yl)-3-(4-fluorophenyl)-1-
 ([1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,
 4-(2-aminopyridin-4-yl)-3-(4-fluorophenyl)-1-(3-methyl-
 [1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,
 5 4-(2-aminopyridin-4-yl)-3-(4-fluorophenyl)-1-(3-trifluoro-
 methyl-[1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,
 4-(2-aminopyridin-4-yl)-1-(3-amino-[1,2,4]triazolo[4,3-
 b]pyridazin-6-yl)-3-(4-fluorophenyl)-1H-pyrazole,
 1-(3-acetyl-amino-[1,2,4]triazolo[4,3-b]pyridazin-6-yl)-4-
 10 (2-aminopyridin-4-yl)-3-(4-fluorophenyl)-1H-pyrazole,
 4-(2-aminopyrimidin-4-yl)-3-(4-fluorophenyl)-1-([1,2,4]-
 triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,
 3-(3-fluorophenyl)-4-(pyridin-4-yl)-1-([1,2,4]triazolo[4,3-
 b]pyridazin-6-yl)-1H-pyrazole,
 15 4-(2-aminopyridin-4-yl)-3-(3-fluorophenyl)-1-([1,2,4]tri-
 azolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,
 4-(2-aminopyridin-4-yl)-3-(4-chlorophenyl)-1-([1,2,4]tri-
 azolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,
 4-(2-aminopyridin-4-yl)-3-(3-chlorophenyl)-1-([1,2,4]tri-
 20 azolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,
 3-(3,4-difluorophenyl)-4-(pyridin-4-yl)-1-([1,2,4]triazolo-
 [4,3-b]pyridazin-6-yl)-1H-pyrazole,
 4-(2-aminopyridin-4-yl)-3-(3,4-difluorophenyl)-1-([1,2,4]-
 triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,
 25 4-(2-aminopyridin-4-yl)-3-(3,4-dichlorophenyl)-1-([1,2,4]-
 triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,
 4-(2-aminopyridin-4-yl)-3-(3-chloro-4-fluorophenyl)-1-
 ([1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,
 4-(2-aminopyridin-4-yl)-3-(4-chloro-3-fluorophenyl)-1-
 30 ([1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,
 4-(2-aminopyridin-4-yl)-1-([1,2,4]triazolo[4,3-b]pyridazin-
 6-yl)-3-(3-trifluoromethylphenyl)-1H-pyrazole,
 4-(2-aminopyridin-4-yl)-3-(2-fluorophenyl)-1-([1,2,4]tri-
 azolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,
 35 4-(2-aminopyrimidin-4-yl)-3-(2-fluorophenyl)-1-([1,2,4]tri-
 azolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

4-(2-aminopyridin-4-yl)-3-(2,4-difluorophenyl)-1-([1,2,4]-
triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

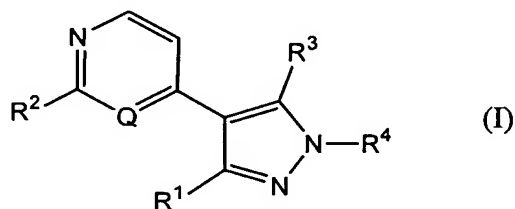
4-(2-cyclopropylcarbonylaminopyridin-4-yl)-3-(4-fluoro-
phenyl)-1-([1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-

5 pyrazole,

4-(2-cyclopentylcarbonylaminopyridin-4-yl)-3-(4-fluoro-
phenyl)-1-([1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-
pyrazole or

3-(4-fluorophenyl)-4-[2-(4-methoxybenzyl)aminopyrimidin-4-
10 yl]-1-([1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole.

18. The pyrazole compound or a pharmaceutically acceptable
salt thereof according to Claim 1, wherein the compound is
represented by the formula (I):

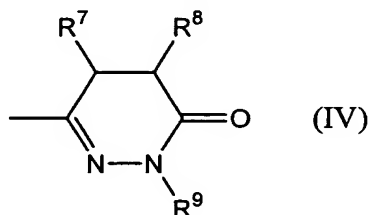


15 wherein R¹ represents a phenyl group which may be
substituted by a group(s) selected from the group
consisting of a halogen atom, a C₁-C₆ alkyl group, a
halogeno C₁-C₆ alkyl group, a C₁-C₆ alkoxy group, a
halogeno C₁-C₆ alkoxy group and a C₁-C₆ alkylthio group,
20 R² represents a hydrogen atom, a halogen atom, a C₁-C₆
alkyl group, a C₁-C₆ alkoxy group, a C₁-C₆ alkylthio
group, a C₁-C₆ alkylsulfinyl group, a C₁-C₆ alkylsulfonyl
group or a group: -NR⁵R⁶

25 wherein R⁵ and R⁶ may be the same or different from
each other, and each represents a hydrogen atom, a
C₁-C₆ alkyl group, a halogeno C₁-C₆ alkyl group, a C₃-
C₇ cycloalkyl group, a C₁-C₆ alkyl-carbonyl group, a
C₃-C₇ cycloalkyl-carbonyl group, a formyl group, a
C₁-C₆ alkoxy-carbonyl group or a C₁-C₆ alkylsulfonyl
30 group, or a C₇-C₁₂ aralkyl group or a benzoyl group
each of which may be substituted by a group(s)
selected from the group consisting of a halogen

atom, a C₁-C₆ alkyl group, a halogeno C₁-C₆ alkyl group, a C₁-C₆ alkoxy group and a halogeno C₁-C₆ alkoxy group,

Q represents CH or a nitrogen atom, R³ represents a hydrogen atom, a C₁-C₆ alkyl group or an amino group, R⁴ represents the formula (IV):



wherein R⁷ represents a hydrogen atom or a C₁-C₆ alkyl group, R⁸ represents a hydrogen atom, a C₁-C₆ alkyl group or a group: -NR¹⁰R¹¹

wherein R¹⁰ and R¹¹ may be the same or different from each other, and each represents a hydrogen atom, a C₁-C₆ alkyl group, a C₁-C₆ alkyl-carbonyl group, a formyl group, a C₁-C₆ alkoxy-carbonyl group or a C₁-C₆ alkylsulfonyl group,

R⁹ represents a hydrogen atom or a C₁-C₆ alkyl group.

19. The pyrazole compound or a pharmaceutically acceptable salt thereof according to Claim 18, wherein R¹ represents a phenyl group which may be substituted by 1 to 3 group(s) selected from the group consisting of a halogen atom, a C₁-C₄ alkyl group, a halogeno C₁-C₄ alkyl group, a C₁-C₄ alkoxy group, a halogeno C₁-C₄ alkoxy group and a C₁-C₄ alkylthio group,

R² represents a hydrogen atom, a halogen atom, a C₁-C₄ alkyl group, a C₁-C₄ alkoxy group, a C₁-C₄ alkylthio group, a C₁-C₄ alkylsulfinyl group, a C₁-C₄ alkylsulfonyl group or a group: -NR⁵R⁶ (wherein R⁵ and R⁶ may be the same or different from each other, and each represents a hydrogen atom, a C₁-C₄ alkyl group, a halogeno C₁-C₄ alkyl group, a C₃-C₆ cycloalkyl group, a C₁-C₄ alkyl-carbonyl group, a C₃-C₆ cycloalkyl-carbonyl group, a formyl group, a C₁-C₄ alkoxy-

carbonyl group or a C₁-C₄ alkylsulfonyl group, or a C₇-C₁₂ aralkyl group or a benzoyl group each of which may be substituted by a group(s) selected from the group consisting of a halogen atom, a C₁-C₄ alkyl group, a halogeno C₁-C₄ alkyl group, a C₁-C₄ alkoxy group and a halogeno C₁-C₄ alkoxy group.),

R³ represents a hydrogen atom, a C₁-C₄ alkyl group or an amino group,

R⁴ represents the formula (IV)

10 wherein R⁷ represents a hydrogen atom or a C₁-C₄ alkyl group, R⁸ represents a hydrogen atom, a C₁-C₄ alkyl group, an amino group, a C₁-C₄ alkylamino group, a di(C₁-C₄ alkyl)amino group, a C₁-C₄ alkyl-carbonylamino group, a formylamino group, a C₁-C₄ alkoxy-carbonylamino group or a C₁-C₄ alkylsulfonyl-amino group, R⁹ represents a hydrogen atom or a C₁-C₄ alkyl group.

20 20. The pyrazole compound or a pharmaceutically acceptable salt thereof according to Claim 19, wherein R¹ represents a phenyl group which may be substituted by 1 to 2 group(s) selected from the group consisting of a halogen atom, a C₁-C₄ alkyl group, a fluoro C₁-C₄ alkyl group, a C₁-C₄ alkoxy group, a fluoro C₁-C₄ alkoxy group and a C₁-C₄ alkylthio group,

25 R² represents a hydrogen atom, a halogen atom, a C₁-C₄ alkyl group, a C₁-C₄ alkoxy group, a C₁-C₄ alkylthio group, a C₁-C₄ alkylsulfinyl group, a C₁-C₄ alkylsulfonyl group, an amino group, a C₁-C₄ alkylamino group, a di(C₁-C₄ alkyl)-amino group, a fluoro C₁-C₄ alkylamino group, a C₃-C₆ cycloalkylamino group, a C₁-C₄ alkyl-carbonylamino group, a C₃-C₆ cycloalkyl-carbonylamino group, a N-(C₃-C₆ cycloalkyl-carbonyl)-N-(C₁-C₄ alkyl)amino group, a formylamino group, a C₁-C₄ alkoxy-carbonylamino group, a C₁-C₄ alkylsulfonyl-amino group, or a benzylamino group, a 1-phenethylamino group or a benzoylamino group the phenyl group portion

thereof may be substituted by a group(s) selected from the group consisting of a halogen atom, a C₁-C₄ alkyl group, a fluoro C₁-C₄ alkyl group, a C₁-C₄ alkoxy group and a fluoro C₁-C₄ alkoxy group,

5 R³ represents a hydrogen atom, a methyl group or an amino group,

 R⁴ represents the formula (IV)

 wherein R⁷ represents a hydrogen atom, a methyl group or an ethyl group, R⁸ represents a hydrogen
 10 atom, a methyl group, an ethyl group, an amino group, a methylamino group, a dimethylamino group, an ethylamino group, a diethylamino group, an isopropylamino group, an acetylamino group, a formyl-amino group, a methoxycarbonylamino group, an
 15 ethoxycarbonylamino group, a methylsulfonylamino group or an ethylsulfonylamino group, R⁹ represents a hydrogen atom, a methyl group or an ethyl group.

21. The pyrazole compound or a pharmaceutically acceptable
 20 salt thereof according to Claim 20, wherein R¹ represents a phenyl group which may be substituted by 1 to 2 group(s) selected from the group consisting of a fluorine atom, a chlorine atom, a bromine atom, a methyl group, an ethyl group, an isopropyl group, a difluoromethyl group, a tri-
 25 fluoromethyl group, a 2-fluoroethyl group, a 2,2,2-trifluoroethyl group, a methoxy group, an ethoxy group, an isopropoxy group, a fluoromethoxy group, a difluoromethoxy group, a trifluoromethoxy group and a methylthio group,

 R² represents a hydrogen atom, a fluorine atom, a
 30 chlorine atom, a methyl group, a methoxy group, a methylthio group, a methylsulfinyl group, a methylsulfonyl group, an amino group, a methylamino group, a dimethylamino group, an ethylamino group, a diethylamino group, a propylamino group, an isopropylamino group, a trifluoromethylamino
 35 group, a 2,2,2-trifluoroethylamino group, a cyclopropylamino group, a cyclohexylamino group, an acetylamino group,

a propionylamino group, a cyclopropylcarbonylamino group, a cyclopentylcarbonylamino group, a N-cyclopropylcarbonyl-N-methylamino group, a formylamino group, a methoxycarbonylamino group, an ethoxycarbonylamino group, a t-butoxycarbonylamino group, a methylsulfonylamino group, an ethylsulfonylamino group, or a benzylamino group, a 1-phenethylamino group or a benzoylamino group the phenyl group portion thereof may be substituted by a group(s) selected from the group consisting of a fluorine atom, a methyl group, a trifluoromethyl group, a methoxy group and a difluoromethoxy group,

R^3 represents a hydrogen atom, a methyl group or an amino group,

R^4 represents the formula (IV)

wherein R^7 represents a hydrogen atom or a methyl group, R^8 represents a hydrogen atom, a methyl group, an amino group, a methylamino group, a dimethylamino group, an acetylamino group, a formylamino group, a methoxycarbonylamino group or a methylsulfonylamino group, R^9 represents a hydrogen atom or a methyl group.

22. The pyrazole compound or a pharmaceutically acceptable salt thereof according to Claim 21, wherein R^1 represents a phenyl group which may be substituted by 1 or 2 group(s) selected from the group consisting of a fluorine atom, a chlorine atom, a methyl group, a difluoromethyl group, a trifluoromethyl group, a methoxy group, a fluoromethoxy group, a difluoromethoxy group and a trifluoromethoxy group,

R^2 represents a hydrogen atom, a fluorine atom, a methyl group, a methoxy group, a methylthio group, a methylsulfinyl group, a methylsulfonyl group, an amino group, a methylamino group, a dimethylamino group, an ethylamino group, an isopropylamino group, a 2,2,2-trifluoroethylamino group, a cyclopropylamino group, an

acetylamino group, a cyclopropylcarbonylamino group, a cyclopentylcarbonylamino group, a N-cyclopropylcarbonyl-N-methylamino group, a methoxycarbonylamino group, a methylsulfonylamino group, a 4-methoxybenzylamino group, a 1-phenethylamino group or a benzoylamino group,

R^3 represents a hydrogen atom, a methyl group or an amino group,

R^4 represents a 1,4,5,6-tetrahydro-6-oxopyridazin-3-yl group, a 1,4,5,6-tetrahydro-4-methyl-6-oxopyridazin-3-yl group, a 1,4,5,6-tetrahydro-5-methyl-6-oxopyridazin-3-yl group, a 5-amino-1,4,5,6-tetrahydro-6-oxopyridazin-3-yl group, a 1,4,5,6-tetrahydro-5-methylamino-6-oxopyridazin-3-yl group, a 5-acetylamino-1,4,5,6-tetrahydro-6-oxopyridazin-3-yl group, a 1,4,5,6-tetrahydro-5-methoxycarbonylamino-6-oxopyridazin-3-yl group, a 1,4,5,6-tetrahydro-5-methylsulfonylamino-6-oxopyridazin-3-yl group, a 1,4,5,6-tetrahydro-1-methyl-6-oxopyridazin-3-yl group, a 1,4,5,6-tetrahydro-1,4-dimethyl-6-oxopyridazin-3-yl group, a 1,4,5,6-tetrahydro-1,5-dimethyl-6-oxopyridazin-3-yl group or a 5-amino-1,4,5,6-tetrahydro-1-methyl-6-oxopyridazin-3-yl group.

23. The pyrazole compound or a pharmaceutically acceptable salt thereof according to Claim 22, wherein R^1 represents a phenyl group, a 2-fluorophenyl group, a 3-fluorophenyl group, a 4-fluorophenyl group, a 3-chlorophenyl group, a 4-chlorophenyl group, a 3,4-difluorophenyl group, a 2,4-difluorophenyl group, a 3,4-dichlorophenyl group, a 3-chloro-4-fluorophenyl group, a 4-chloro-3-fluorophenyl group or a 3-trifluoromethylphenyl group,

R^2 represents a hydrogen atom, a methoxy group, an amino group, a methylamino group, an ethylamino group, an isopropylamino group, a 2,2,2-trifluoroethylamino group, an acetylamino group, a cyclopropylcarbonylamino group, a cyclopentylcarbonylamino group, a methoxycarbonylamino group, a methylsulfonylamino group, a 4-methoxybenzylamino

group, a 1-phenethylamino group or a benzoylamino group,

R^3 represents a hydrogen atom, a methyl group or an amino group,

R^4 represents a 1,4,5,6-tetrahydro-6-oxopyridazin-3-yl group, a 1,4,5,6-tetrahydro-4-methyl-6-oxopyridazin-3-yl group, a 1,4,5,6-tetrahydro-5-methyl-6-oxopyridazin-3-yl group, a 5-amino-1,4,5,6-tetrahydro-6-oxopyridazin-3-yl group, a 1,4,5,6-tetrahydro-1-methyl-6-oxopyridazin-3-yl group or a 1,4,5,6-tetrahydro-1,5-dimethyl-6-oxopyridazin-3-yl group.

24. The pyrazole compound or a pharmaceutically acceptable salt thereof according to Claim 23, wherein R^1 represents a phenyl group, a 2-fluorophenyl group, a 3-fluorophenyl group, a 4-fluorophenyl group, a 3-chlorophenyl group, a 4-chlorophenyl group, a 3,4-difluorophenyl group, a 2,4-difluorophenyl group, a 3,4-dichlorophenyl group, a 3-chloro-4-fluorophenyl group, a 4-chloro-3-fluorophenyl group or a 3-trifluoromethylphenyl group,

R^2 represents a hydrogen atom, a methoxy group, an amino group, a methylamino group, an ethylamino group, an isopropylamino group, a 2,2,2-trifluoroethylamino group, an acetylamino group, a cyclopropylcarbonylamino group, a cyclopentylcarbonylamino group, a methoxycarbonylamino group, a methylsulfonylamino group, a 4-methoxybenzylamino group, a 1-phenethylamino group or a benzoylamino group,

R^3 represents a hydrogen atom,

R^4 represents a 1,4,5,6-tetrahydro-6-oxopyridazin-3-yl group, a 1,4,5,6-tetrahydro-4-methyl-6-oxopyridazin-3-yl group, a 1,4,5,6-tetrahydro-5-methyl-6-oxopyridazin-3-yl group or a 1,4,5,6-tetrahydro-1-methyl-6-oxopyridazin-3-yl group.

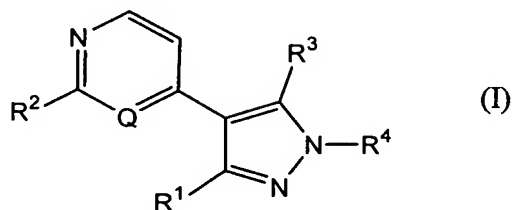
25. The pyrazole compound or a pharmaceutically acceptable salt thereof according to Claim 24, wherein the pyrazole compound is

- 4-(2-aminopyridin-4-yl)-1-(1,4,5,6-tetrahydro-6-oxopyridazin-3-yl)-3-phenyl-1H-pyrazole,
 3-(4-fluorophenyl)-1-(1,4,5,6-tetrahydro-6-oxopyridazin-3-yl)-4-(pyridin-4-yl)-1H-pyrazole,
- 5 4-(2-aminopyridin-4-yl)-3-(4-fluorophenyl)-1-(1,4,5,6-tetrahydro-6-oxopyridazin-3-yl)-1H-pyrazole,
 3-(4-fluorophenyl)-1-(1,4,5,6-tetrahydro-6-oxopyridazin-3-yl)-4-[2-(2,2,2-trifluoroethyl)aminopyridin-4-yl]-1H-pyrazole,
- 10 4-(2-acetylaminopyridin-4-yl)-3-(4-fluorophenyl)-1-(1,4,5,6-tetrahydro-6-oxopyridazin-3-yl)-1H-pyrazole,
 4-(2-aminopyridin-4-yl)-3-(4-fluorophenyl)-1-(1,4,5,6-tetrahydro-4-methyl-6-oxopyridazin-3-yl)-1H-pyrazole,
 4-(2-aminopyridin-4-yl)-3-(4-fluorophenyl)-1-(1,4,5,6-tetrahydro-5-methyl-6-oxopyridazin-3-yl)-1H-pyrazole,
- 15 4-(2-aminopyridin-4-yl)-3-(4-fluorophenyl)-1-(1,4,5,6-tetrahydro-1-methyl-6-oxopyridazin-3-yl)-1H-pyrazole,
 4-(2-aminopyrimidin-4-yl)-3-(4-fluorophenyl)-1-(1,4,5,6-tetrahydro-6-oxopyridazin-3-yl)-1H-pyrazole,
- 20 4-(2-aminopyridin-4-yl)-3-(3-fluorophenyl)-1-(1,4,5,6-tetrahydro-6-oxopyridazin-3-yl)-1H-pyrazole,
 4-(2-aminopyridin-4-yl)-3-(4-chlorophenyl)-1-(1,4,5,6-tetrahydro-6-oxopyridazin-3-yl)-1H-pyrazole,
 4-(2-aminopyridin-4-yl)-3-(3-chlorophenyl)-1-(1,4,5,6-tetrahydro-6-oxopyridazin-3-yl)-1H-pyrazole,
- 25 4-(2-aminopyridin-4-yl)-3-(3,4-difluorophenyl)-1-(1,4,5,6-tetrahydro-6-oxopyridazin-3-yl)-1H-pyrazole,
 4-(2-aminopyridin-4-yl)-3-(3,4-dichlorophenyl)-1-(1,4,5,6-tetrahydro-6-oxopyridazin-3-yl)-1H-pyrazole,
- 30 4-(2-aminopyridin-4-yl)-3-(3-chloro-4-fluorophenyl)-1-(1,4,5,6-tetrahydro-6-oxopyridazin-3-yl)-1H-pyrazole,
 4-(2-aminopyridin-4-yl)-3-(4-chloro-3-fluorophenyl)-1-(1,4,5,6-tetrahydro-6-oxopyridazin-3-yl)-1H-pyrazole,
 4-(2-aminopyridin-4-yl)-1-(1,4,5,6-tetrahydro-6-oxopyridazin-3-yl)-3-(3-trifluoromethylphenyl)-1H-pyrazole,
- 35 4-(2-aminopyridin-4-yl)-3-(2-fluorophenyl)-1-(1,4,5,6-

tetrahydro-6-oxopyridazin-3-yl)-1H-pyrazole,
 3-(2-fluorophenyl)-1-(1,4,5,6-tetrahydro-6-oxopyridazin-3-yl)-4-[2-(2,2,2-trifluoroethyl)aminopyridin-4-yl]-1H-pyrazole,

- 5 4-(2-acetylaminopyridin-4-yl)-3-(2-fluorophenyl)-1-(1,4,5,6-tetrahydro-6-oxopyridazin-3-yl)-1H-pyrazole,
 4-(2-aminopyrimidin-4-yl)-3-(2-fluorophenyl)-1-(1,4,5,6-tetrahydro-6-oxopyridazin-3-yl)-1H-pyrazole,
 4-(2-aminopyridin-4-yl)-3-(2,4-difluorophenyl)-1-(1,4,5,6-tetrahydro-6-oxopyridazin-3-yl)-1H-pyrazole,
 10 4-(2-cyclopropylcarbonylaminopyridin-4-yl)-(1,4,5,6-tetrahydro-6-oxopyridazin-3-yl)-3-phenyl-1H-pyrazole,
 4-(2-cyclopropylcarbonylaminopyridin-4-yl)-3-(4-fluorophenyl)-1-(1,4,5,6-tetrahydro-6-oxopyridazin-3-yl)-1H-pyrazole or
 15 4-(2-cyclopropylcarbonylaminopyridin-4-yl)-3-(2-fluorophenyl)-1-(1,4,5,6-tetrahydro-6-oxopyridazin-3-yl)-1H-pyrazole.

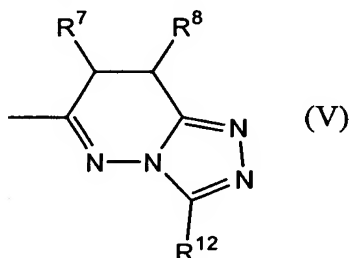
- 20 26. The pyrazole compound or a pharmaceutically acceptable salt thereof according to Claim 1, wherein the compound is represented by the formula (I):



- wherein R¹ represents a phenyl group which may be
 25 substituted by a group(s) selected from the group consisting of a halogen atom, a C₁-C₆ alkyl group, a halogeno C₁-C₆ alkyl group, C₁-C₆ alkoxy group, a halogeno C₁-C₆ alkoxy group and a C₁-C₆ alkylthio group,
 R² represents a hydrogen atom, a halogen atom, a C₁-C₆
 30 alkyl group, a C₁-C₆ alkoxy group, a C₁-C₆ alkylthio group, a C₁-C₆ alkylsulfinyl group, a C₁-C₆ alkylsulfonyl group or a group: -NR⁵R⁶

wherein R^5 and R^6 may be the same or different from each other, and each represents a hydrogen atom, a C_1 - C_6 alkyl group, a halogeno C_1 - C_6 alkyl group, a C_3 - C_7 cycloalkyl group, a C_1 - C_6 alkyl-carbonyl group, a C_3 - C_7 cycloalkyl-carbonyl group, a formyl group, a C_1 - C_6 alkoxy-carbonyl group or a C_1 - C_6 alkylsulfonyl group, or a C_7 - C_{12} aralkyl group or a benzoyl group each of which may be substituted by a group(s) selected from the group consisting of a halogen atom, a C_1 - C_6 alkyl group, a halogeno C_1 - C_6 alkyl group, a C_1 - C_6 alkoxy group and a halogeno C_1 - C_6 alkoxy group,

Q represents CH or a nitrogen atom, R^3 represents a hydrogen atom, a C_1 - C_6 alkyl group or an amino group, R^4 represents the formula (V):



wherein R^7 represents a hydrogen atom or a C_1 - C_6 alkyl group, R^8 represents a hydrogen atom, a C_1 - C_6 alkyl group or a group: $-NR^{10}R^{11}$

wherein R^{10} and R^{11} may be the same or different from each other, and each represents a hydrogen atom, a C_1 - C_6 alkyl group, a C_1 - C_6 alkyl-carbonyl group, a formyl group, a C_1 - C_6 alkoxy-carbonyl group or a C_1 - C_6 alkylsulfonyl group,

R^{12} represents a hydrogen atom, a C_1 - C_6 alkyl group, a halogeno C_1 - C_6 alkyl group or a group: $-NR^{10}R^{11}$

wherein R^{10} and R^{11} may be the same or different from each other, and each represents a hydrogen atom, a C_1 - C_6 alkyl group, a C_1 - C_6 alkyl-carbonyl group, a formyl group, a C_1 - C_6 alkoxy-carbonyl group or a C_1 - C_6 alkylsulfonyl group.

27. The pyrazole compound or a pharmaceutically acceptable salt thereof according to Claim 26, wherein R^1 represents a phenyl group which may be substituted by 1 to 3 group(s)

5 selected from the group consisting of a halogen atom, a C_1 - C_4 alkyl group, a halogeno C_1 - C_4 alkyl group, a C_1 - C_4 alkoxy group, a halogeno C_1 - C_4 alkoxy group and a C_1 - C_4 alkylthio group,

R^2 represents a hydrogen atom, a halogen atom, a C_1 - C_4 alkyl group, a C_1 - C_4 alkoxy group, a C_1 - C_4 alkylthio group, 10 a C_1 - C_4 alkylsulfinyl group, a C_1 - C_4 alkylsulfonyl group or a group: $-NR^5R^6$ (wherein R^5 and R^6 may be the same or different from each other, and each represents a hydrogen atom, a C_1 - C_4 alkyl group, a halogeno C_1 - C_4 alkyl group, a 15 C_3 - C_6 cycloalkyl group, a C_1 - C_4 alkyl-carbonyl group, a C_3 - C_6 cycloalkyl-carbonyl group, a formyl group, a C_1 - C_4 alkoxy-carbonyl group or a C_1 - C_4 alkylsulfonyl group, or a C_7 - C_{12} aralkyl group or a benzoyl group each of which may be substituted by a group(s) selected from the group consisting of a halogen atom, a C_1 - C_4 alkyl group, a halogeno C_1 - C_4 20 alkyl group, a C_1 - C_4 alkoxy group and a halogeno C_1 - C_4 alkoxy group.),

R^3 represents a hydrogen atom, a C_1 - C_4 alkyl group or an amino group,

25 R^4 represents the formula (V)

wherein R^7 represents a hydrogen atom or a C_1 - C_4 alkyl group, R^8 represents a hydrogen atom, a C_1 - C_4 alkyl group, an amino group, a C_1 - C_4 alkylamino group, a di(C_1 - C_4 alkyl)amino group, a C_1 - C_4 alkyl-carbonylamino group, a formylamino group, a C_1 - C_4 30 alkoxy-carbonylamino group or a C_1 - C_4 alkylsulfonylamino group, R^{12} represents a hydrogen atom, a C_1 - C_4 alkyl group, a fluoro C_1 - C_4 alkyl group, an amino group, a C_1 - C_4 alkylamino group, a di(C_1 - C_4 alkyl)-amino group, a C_1 - C_4 alkyl-carbonylamino group, a 35 formylamino group, a C_1 - C_4 alkoxy-carbonylamino group

or a C₁-C₄ alkylsulfonylamino group.

28. The pyrazole compound or a pharmaceutically acceptable salt thereof according to Claim 27, wherein R¹ represents a phenyl group which may be substituted by 1 to 2 group(s) selected from the group consisting of a halogen atom, a C₁-C₄ alkyl group, a fluoro C₁-C₄ alkyl group, a C₁-C₄ alkoxy group, a fluoro C₁-C₄ alkoxy group and a C₁-C₄ alkylthio group,
- R² represents a hydrogen atom, a halogen atom, a C₁-C₄ alkyl group, a C₁-C₄ alkoxy group, a C₁-C₄ alkylthio group, a C₁-C₄ alkylsulfinyl group, a C₁-C₄ alkylsulfonyl group, an amino group, a C₁-C₄ alkylamino group, a di(C₁-C₄ alkyl)amino group, a fluoro C₁-C₄ alkylamino group, a C₃-C₆ cycloalkylamino group, a C₁-C₄ alkyl-carbonylamino group, a C₃-C₆ cycloalkyl-carbonylamino group, a N-(C₃-C₆ cycloalkyl-carbonyl)-N-(C₁-C₄ alkyl)amino group, a formylamino group, a C₁-C₄ alkoxy-carbonylamino group, a C₁-C₄ alkylsulfonylamino group, or a benzylamino group, a 1-phenethylamino group or a benzoylamino group the phenyl group portion thereof may be substituted by a group(s) selected from the group consisting of a halogen atom, a C₁-C₄ alkyl group, a fluoro C₁-C₄ alkyl group, a C₁-C₄ alkoxy group and a fluoro C₁-C₄ alkoxy group,
- R³ represents a hydrogen atom, a methyl group or an amino group,
- R⁴ represents the formula (V)
wherein R⁷ represents a hydrogen atom, a methyl group or an ethyl group, R⁸ represents a hydrogen atom, a methyl group, an ethyl group, an amino group, a methylamino group, a dimethylamino group, an ethylamino group, a diethylamino group, an isopropylamino group, an acetylamino group, a formylamino group, a methoxycarbonylamino group, an ethoxycarbonylamino group, a methylsulfonylamino group or an ethylsulfonylamino group, R¹² represents

a hydrogen atom, a methyl group, an ethyl group, a trifluoromethyl group, a 2,2,2-trifluoroethyl group, an amino group, a methylamino group, a dimethylamino group, an ethylamino group, a diethylamino group, an isopropylamino group, an acetylamino group, a formylamino group, a methoxycarbonylamino group, an ethoxycarbonylamino group, a methylsulfonylamino group or an ethylsulfonylamino group.

29. The pyrazole compound or a pharmaceutically acceptable salt thereof according to Claim 28, wherein R^1 represents a phenyl group which may be substituted by 1 to 2 group(s) selected from the group consisting of a fluorine atom, a chlorine atom, a bromine atom, a methyl group, an ethyl group, an isopropyl group, a difluoromethyl group, a trifluoromethyl group, a 2-fluoroethyl group, a 2,2,2-trifluoroethyl group, a methoxy group, an ethoxy group, an isopropoxy group, a fluoromethoxy group, a difluoromethoxy group, a trifluoromethoxy group and a methylthio group,

R^2 represents a hydrogen atom, a fluorine atom, a chlorine atom, a methyl group, a methoxy group, a methylthio group, a methylsulfinyl group, a methylsulfonyl group, an amino group, a methylamino group, a dimethylamino group, an ethylamino group, a diethylamino group, a propylamino group, an isopropylamino group, a trifluoromethylamino group, a 2,2,2-trifluoroethylamino group, a cyclopropylamino group, a cyclohexylamino group, an acetylamino group, a propionylamino group, a cyclopropylcarbonylamino group, a cyclopentylcarbonylamino group, a N-cyclopropylcarbonyl-N-methylamino group, a formylamino group, a methoxycarbonylamino group, an ethoxycarbonylamino group, a t-butoxycarbonylamino group, a methylsulfonylamino group, an ethylsulfonylamino group, or a benzylamino group, a 1-phenethylamino group or a benzoylamino group the phenyl group portion thereof may be substituted by a group(s) selected from the group consisting of a fluorine atom, a

methyl group, a trifluoromethyl group, a methoxy group and a difluoromethoxy group,

R^3 represents a hydrogen atom, a methyl group or an amino group,

5 R^4 represents the formula (V)

wherein R^7 represents a hydrogen atom or a methyl group, R^8 represents a hydrogen atom, a methyl group, an amino group, a methylamino group, a dimethylamino group, an acetylamino group, a formyl-
10 amino group, a methoxycarbonylamino group or a methylsulfonylamino group, R^{12} represents a hydrogen atom, a methyl group, a trifluoromethyl group, an amino group, a methylamino group, a dimethylamino group, an acetylamino group, a formylamino group, a
15 methoxycarbonylamino group or a methylsulfonylamino group.

30. The pyrazole compound or a pharmaceutically acceptable salt thereof according to Claim 29, wherein R^1 represents a
20 phenyl group which may be substituted by 1 or 2 group(s) selected from the group consisting of a fluorine atom, a chlorine atom, a methyl group, a difluoromethyl group, a trifluoromethyl group, a methoxy group, a fluoromethoxy group, a difluoromethoxy group and a trifluoromethoxy
25 group,

R^2 represents a hydrogen atom, a fluorine atom, a methyl group, a methoxy group, a methylthio group, a methylsulfinyl group, a methylsulfonyl group, an amino group, a methylamino group, a dimethylamino group, an
30 ethylamino group, an isopropylamino group, a 2,2,2-trifluoroethylamino group, a cyclopropylamino group, an acetylamino group, a cyclopropylcarbonylamino group, a cyclopentylcarbonylamino group, a N-cyclopropylcarbonyl-N-methylamino group, a methoxycarbonylamino group, a methyl-
35 sulfonylamino group, a 4-methoxybenzylamino group, a 1-phenethylamino group or a benzoylamino group,

R³ represents a hydrogen atom, a methyl group or an amino group,

R⁴ represents a 7,8-dihydro-[1,2,4]triazolo[4,3-b]-pyridazin-6-yl group, a 7,8-dihydro-3-methyl-[1,2,4]triazolo[4,3-b]pyridazin-6-yl group, a 7,8-dihydro-3-trifluoromethyl-[1,2,4]triazolo[4,3-b]pyridazin-6-yl group, a 3-amino-7,8-dihydro-[1,2,4]triazolo[4,3-b]pyridazin-6-yl group, a 7,8-dihydro-3-methylamino-[1,2,4]triazolo[4,3-b]pyridazin-6-yl group, a 3-acetylamino-7,8-dihydro-[1,2,4]triazolo[4,3-b]pyridazin-6-yl group, a 7,8-dihydro-3-methoxycarbonylamino-[1,2,4]triazolo[4,3-b]pyridazin-6-yl group, a 7,8-dihydro-3-methylsulfonylamino-[1,2,4]triazolo[4,3-b]pyridazin-6-yl group, a 7,8-dihydro-7-methyl-[1,2,4]triazolo[4,3-b]pyridazin-6-yl group, a 7,8-dihydro-8-methyl-[1,2,4]triazolo[4,3-b]pyridazin-6-yl group or a 8-amino-7,8-dihydro-[1,2,4]triazolo[4,3-b]pyridazin-6-yl group.

31. The pyrazole compound or a pharmaceutically acceptable salt thereof according to Claim 30, wherein R¹ represents a phenyl group, a 2-fluorophenyl group, a 3-fluorophenyl group, a 4-fluorophenyl group, a 3-chlorophenyl group, a 4-chlorophenyl group, a 3,4-difluorophenyl group, a 2,4-difluorophenyl group, a 3,4-dichlorophenyl group, a 3-chloro-4-fluorophenyl group, a 4-chloro-3-fluorophenyl group or a 3-trifluoromethylphenyl group,

R² represents a hydrogen atom, a methoxy group, an amino group, a methylamino group, an ethylamino group, an isopropylamino group, a 2,2,2-trifluoroethylamino group, an acetylamino group, a cyclopropylcarbonylamino group, a cyclopentylcarbonylamino group, a methoxycarbonylamino group, a methylsulfonylamino group, a 4-methoxybenzylamino group, a 1-phenethylamino group or a benzoylamino group,

R³ represents a hydrogen atom, a methyl group or an amino group, and

R⁴ represents a 7,8-dihydro-[1,2,4]triazolo[4,3-b]-

pyridazin-6-yl group, a 7,8-dihydro-3-methyl-[1,2,4]triazolo[4,3-b]pyridazin-6-yl group, a 7,8-dihydro-3-trifluoromethyl-[1,2,4]triazolo[4,3-b]pyridazin-6-yl group, a 3-amino-7,8-dihydro-[1,2,4]triazolo[4,3-b]pyridazin-6-yl group, a 7,8-dihydro-7-methyl-[1,2,4]triazolo[4,3-b]pyridazin-6-yl group or a 7,8-dihydro-8-methyl-[1,2,4]triazolo[4,3-b]pyridazin-6-yl group.

32. The pyrazole compound or a pharmaceutically acceptable salt thereof according to Claim 31, wherein R¹ represents a phenyl group, a 2-fluorophenyl group, a 3-fluorophenyl group, a 4-fluorophenyl group, a 3-chlorophenyl group, a 4-chlorophenyl group, a 3,4-difluorophenyl group, a 2,4-difluorophenyl group, a 3,4-dichlorophenyl group, a 3-chloro-4-fluorophenyl group, a 4-chloro-3-fluorophenyl group or a 3-trifluoromethylphenyl group,

R² represents a hydrogen atom, a methoxy group, an amino group, a methylamino group, an ethylamino group, an isopropylamino group, a 2,2,2-trifluoroethylamino group, an acetylamino group, a cyclopropylcarbonylamino group, a cyclopentylcarbonylamino group, a methoxycarbonylamino group, a methylsulfonylamino group, a 4-methoxybenzylamino group, a 1-phenethylamino group or a benzoylamino group,

R³ represents a hydrogen atom, and

R⁴ represents a 7,8-dihydro-[1,2,4]triazolo[4,3-b]pyridazin-6-yl group or a 7,8-dihydro-3-methyl-[1,2,4]triazolo[4,3-b]pyridazin-6-yl group.

33. The pyrazole compound or a pharmaceutically acceptable salt thereof according to Claim 32, wherein the pyrazole compound is

4-(2-aminopyridin-4-yl)-1-(7,8-dihydro-[1,2,4]triazolo[4,3-b]pyridazin-6-yl)-3-phenyl-1H-pyrazole,

3-(4-fluorophenyl)-1-(7,8-dihydro-[1,2,4]triazolo[4,3-b]pyridazin-6-yl)-4-(pyridin-4-yl)-1H-pyrazole,

4-(2-aminopyridin-4-yl)-3-(4-fluorophenyl)-1-(7,8-dihydro-

- [1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,
 3-(4-fluorophenyl)-1-(7,8-dihydro-[1,2,4]triazolo[4,3-b]-
 pyridazin-6-yl)-4-[2-(2,2,2-trifluoroethyl)aminopyridin-4-
 yl]-1H-pyrazole,
- 5 4-(2-acetylaminopyridin-4-yl)-3-(4-fluorophenyl)-1-(7,8-
 dihydro-[1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,
 4-(2-cyclopropylcarbonylaminopyridin-4-yl)-3-(4-fluoro-
 phenyl)-1-(7,8-dihydro-[1,2,4]triazolo[4,3-b]pyridazin-6-
 yl)-1H-pyrazole,
- 10 4-(2-aminopyrimidin-4-yl)-3-(4-fluorophenyl)-1-(7,8-
 dihydro-[1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,
 4-(2-aminopyridin-4-yl)-3-(3-fluorophenyl)-1-(7,8-dihydro-
 [1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,
 4-(2-aminopyridin-4-yl)-3-(2-fluorophenyl)-1-(7,8-dihydro-
 15 [1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,
 3-(2-fluorophenyl)-1-(7,8-dihydro-[1,2,4]triazolo[4,3-
 b]pyridazin-6-yl)-4-[2-(2,2,2-trifluoroethyl)aminopyridin-
 4-yl]-1H-pyrazole,
 4-(2-acetylaminopyridin-4-yl)-3-(2-fluorophenyl)-1-(7,8-
 20 dihydro-[1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,
 4-(2-cyclopropylcarbonylaminopyridin-4-yl)-3-(2-fluoro-
 phenyl)-1-(7,8-dihydro-[1,2,4]triazolo[4,3-b]pyridazin-6-
 yl)-1H-pyrazole,
 4-(2-aminopyridin-4-yl)-3-(4-chlorophenyl)-1-(7,8-dihydro-
 25 [1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,
 4-(2-aminopyridin-4-yl)-3-(3-chlorophenyl)-1-(7,8-dihydro-
 [1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,
 4-(2-aminopyridin-4-yl)-3-(3,4-difluorophenyl)-1-(7,8-
 dihydro-[1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,
 30 3-(3,4-difluorophenyl)-1-(7,8-dihydro-[1,2,4]triazolo[4,3-
 b]pyridazin-6-yl)-4-[2-(2,2,2-trifluoroethyl)aminopyridin-
 4-yl]-1H-pyrazole,
 4-(2-acetylaminopyridin-4-yl)-3-(3,4-difluorophenyl)-1-
 (7,8-dihydro-[1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-
 35 pyrazole,
 4-(2-cyclopropylcarbonylaminopyridin-4-yl)-3-(3,4-difluoro-

phenyl)-1-(7,8-dihydro-[1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

4-(2-aminopyridin-4-yl)-3-(3,4-dichlorophenyl)-1-(7,8-dihydro-[1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole

5 or

4-(2-aminopyridin-4-yl)-1-(7,8-dihydro-[1,2,4]triazolo[4,3-b]pyridazin-6-yl)-3-(3-trifluoromethylphenyl)-1H-pyrazole.

34. A medical composition comprising the compound according
10 to any one of Claims 1 to 33 or a salt thereof as an effective ingredient.

35. A p38MAP kinase inhibitor comprising the compound
according to any one of Claims 1 to 33 or a salt thereof as
15 an effective ingredient.

36. A rheumatoid treating agent comprising the compound
according to any one of Claims 1 to 33 or a salt thereof as
an effective ingredient.

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